

NANOTUBE APPARATUS

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ABSTRACT

10 A system and method for manufacturing carbon nanotubes as functional elements of MEMS devices. The method of the present invention comprises the steps of preparing a MEMS substrate for synthesis of a carbon nanotube. A nanosize hole or catalyst retaining structure is fabricated on a MEMS substrate on which a nanotube catalyst is deposited. A nanotube is then synthesized within the nanosize hole.